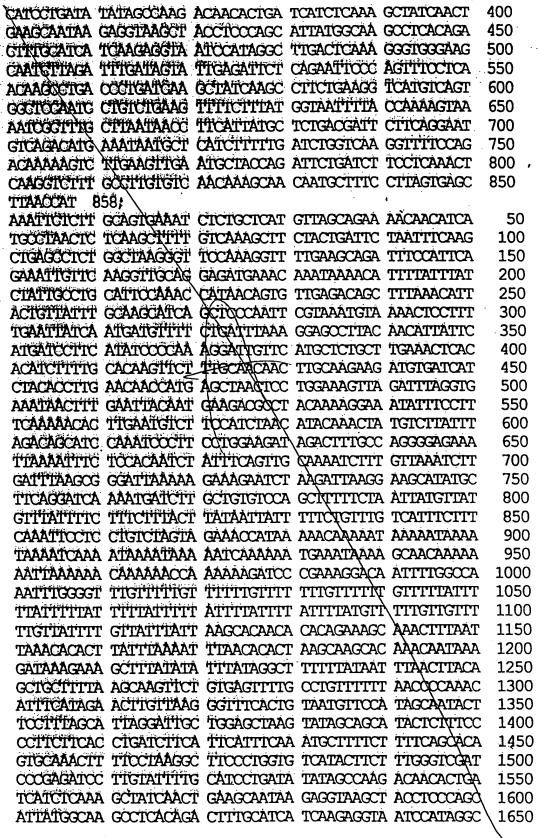


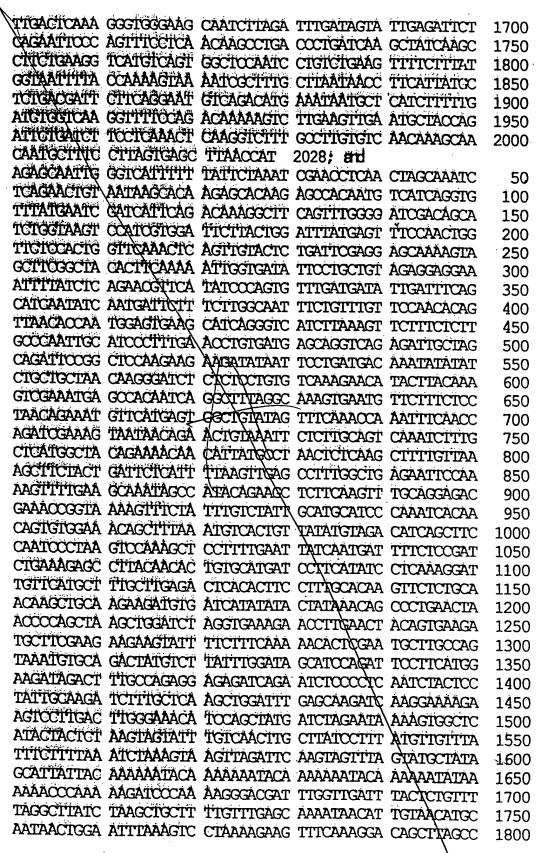
We Claim:

 $\sqrt{1}$. An isolated nucleotide sequence which is selected from the

VI VIII ISSIEISE TIESIOSTIGE SEGUESTIC WHIST IS SELECTED IT	om u
group \	
AAATICICIT GCAGIGAAAT CICIGCICAT GITAGCAGAA AACAACATCA	50
TECTAACIC TCAAGCITTIT GICAAAGCIT CTACTGATIC TAATTICAAG	100
CIGAGCCICI GCCIAAGGGI TCCAAAGGIT TIGAAGCAGA TTTCCATTCA	150
CAAATIGIIC XAGGIIGGAG GAGATGAAAC AAATAAAACA TITTATITAT	200
CTATTICCTIC CATTICCAAAC CATTAACAGTG TIGAGACAGC TITTAAACATT	250
ACTOTIATITI GCAAGGATCA GCTCCCAATT CGTAAATGIA AAACTCCTTT	300
TGAATTATCA ATGAIGITITI CIGATTIAAA GGAGCCTTAC AACATTATTC	350
ATGATECTIC ATATOCCGAA AGGATIGITC ATGCTCTGCT TGAAACTCAC	400
ACATETTITE CACAAGITCT TIGCAACAC TIGCAAGAAG ATGTGATCAT	450
CTACAGCTIG AACAACCATG AGCTAACTCC TGGAAAGTTA GATTTAGGTG	500
AAATAACIIT GAATIACAAT GAAGACGCCT ACAAAAGGAA ATATITCCIT	550
TCAAAAACAC TTGAATGTCT TCCATCIAAC ATACAAACIA TGTCTTATTT	600
AGACAGCATC CAAATCCCTT CCTGGAAGAT AGACTTTGCC AGGGGAGAAA	650
TTAAAATTIC TCCACAATCT ATTICAGIIG CAAAATCIIT GITAAATCIT	700
GATTIAAGCG GGATTAAAAA GAAAGAATCT AAGATTAAGG AAGCATATGC	750
TICAGGATCA AAATGATCTT GOTGIGICCA GCTTTTTCTA ATTATGTTAT	800
GITTATTITC TITCITTACT TATAATTATT TITCIGITIG TCATFICITT	850
CAAATICCIC CIGICIAGIA GAAACATAA AAACAAAAAT AAAAATAAAA	900
ТАААТСААА АТААААТААА ААТСААААА ТСАААТАААА ССААСАААА	950
AATTAAAAA CAAAAAACCA AAAAAGATCC CGAAAGGACA ATTITIGGCCA	1000
AATTIGGGT TIGITITIGT TITTIGTKIT TITGITTITT GITTIATIT	1050
TIATITIAT TITIATITIT ATTITATIV ATTITATGIT TITIGITGIT	1100
TIGITATITT GITATITATT AAGCACAACA CACAGAAAGCA AACTTTAAT	1150
TAAACACACT TATTTAAAAT TTAACACACT YAAGCAAGCACA AACAATAAA	1200
GATAAAGAAA GCTTTATATA TITATAGGCT TYTTTATAAT TTAACTTACA	1250
GCIGCITITA AGCAAGITCT GIGAGITTTG COTGITTTTT AACCCCAAAC	1300
ATTICATAGA ACTIGITAAG GGTTTCACTG TAATGTTCCA TAGCAATACT	1350
TOCTTIAGCA TIAGGATIGO TIGGAGOTAAG TATAGCAGCA TACTOTITOC	1400
CCITCITCAC CIGATCITCA TICATTICAA ATGCTTTTCT TTICAGCACA	1450
GIGCAAACIT TTOCTAAGGC TTCCCTGGTG TCATACTTCT TTGGGTCGAT	1500
CCCGAGATCC TIGIATITIG CATCCIGATA TATACCCAAG ACAACACIGA	1550
TCATCICAAA GCIATCAACT GAAGCAATAA GAGGIAAGCT ACCICCCAGC	1600
ATTATGGCAA GCCTCACAGA CTTTGCATCA TCAAGAGGTA ATCCATAGGC	1650
TIGAATCAAA GGGIGGGAAG CAATCITAGA TITGATAGTA TIGAGATTCT	1700
CAGAATICC 1709;	
TTAACACACT AAGCAAGCAC AAACAATAAA GATAAAGAAA GCTTTATATA	50
TITATAGGCT TITTEATAAT TTAACTTACA GCIGCTTTTA AGCAAGTTCT	100
GIGAGITITG CCIGITITIT AACCCCAAAC ATTICATAGA ACTIGITAAG	150
GGITTCACIG TAATGITCCA TAGCAATACT TCCTTTAGCA TTAGGATTGC	200
TGGAGCTAAG TATAGCAGCA TACTCTTCC CCTTCTTCAC CYGATCTTCA	250
TICATITICAA AIGCITTICT TITCAGCACA GIGCAAACIT TICCTAAGGC	300
TICCCIGGIG TCATACTICT TIGGGTCGAT CCCGAGATCC TIGUATTITG	350
· ·	









- 2. A plant susceptible to intection by *Tospoviruses* which has a transgene inserted into its genome to render it resistant to infection by Tospoviruses, said transgene being selected from the group consisting of the nucleoprotein gene of TSWV-BL, TSWV-10W, INSV-LI, TSWV-B, a *Tospovirus*, said transgene consisting of partial or full length nucleoprotein gene sequences from TSWV-BL, TSWV-10W, TSWV-B, INSV-Beg and INSV-IL, the translatable or untranslatable sequences of said nucleoprotein gene sequences, and the sense or antisense sequences of said nucleoprotein gene sequences.
- 3. A method for providing a host plant with resistance to infection by Tospoviruses which comprises inserting a transgene into the host plant which gene is selected from the nucleoprotein gene of TSWV-BL, TSWV-10W, INSV-Beg, INSV-LI, TSWV-B, or mixtures of nucleotide sequences taken from the nucleoprotein gene.

ADD AT